

Name : _____

Score : _____

Teacher : _____

Date : _____

Solve the Exponents

1) $\left(-\frac{4}{7}\right)^{-2} =$ _____

11) $\left(\frac{4}{12}\right)^{-2} =$ _____

2) $\left(\frac{1}{3}\right)^{-3} =$ _____

12) $\left(\frac{1}{3}\right)^4 =$ _____

3) $\left(\frac{2}{5}\right)^{-4} =$ _____

13) $\left(-\frac{8}{9}\right)^2 =$ _____

4) $\left(-\frac{2}{4}\right)^{-3} =$ _____

14) $\left(-\frac{4}{12}\right)^2 =$ _____

5) $\left(-\frac{1}{2}\right)^{-3} =$ _____

15) $\left(-\frac{6}{8}\right)^{-2} =$ _____

6) $\left(\frac{5}{8}\right)^2 =$ _____

16) $\left(\frac{1}{4}\right)^{-4} =$ _____

7) $\left(-\frac{2}{6}\right)^{-4} =$ _____

17) $\left(\frac{1}{6}\right)^{-4} =$ _____

8) $\left(\frac{1}{2}\right)^{-5} =$ _____

18) $\left(-\frac{1}{2}\right)^{-5} =$ _____

9) $\left(-\frac{1}{3}\right)^4 =$ _____

19) $\left(\frac{1}{2}\right)^{-4} =$ _____

10) $\left(-\frac{2}{5}\right)^{-4} =$ _____

20) $\left(-\frac{1}{10}\right)^{-2} =$ _____

Name : _____

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Solve the Exponents

1) $\left(-\frac{4}{7}\right)^{-2} = \underline{\frac{49}{16}}$

11) $\left(\frac{4}{12}\right)^{-2} = \underline{\frac{144}{16}}$

2) $\left(\frac{1}{3}\right)^{-3} = \underline{27}$

12) $\left(\frac{1}{3}\right)^4 = \underline{\frac{1}{81}}$

3) $\left(\frac{2}{5}\right)^{-4} = \underline{\frac{625}{16}}$

13) $\left(-\frac{8}{9}\right)^2 = \underline{\frac{64}{81}}$

4) $\left(-\frac{2}{4}\right)^{-3} = \underline{-\frac{64}{8}}$

14) $\left(-\frac{4}{12}\right)^2 = \underline{\frac{16}{144}}$

5) $\left(-\frac{1}{2}\right)^{-3} = \underline{-8}$

15) $\left(-\frac{6}{8}\right)^{-2} = \underline{\frac{64}{36}}$

6) $\left(\frac{5}{8}\right)^2 = \underline{\frac{25}{64}}$

16) $\left(\frac{1}{4}\right)^{-4} = \underline{256}$

7) $\left(-\frac{2}{6}\right)^{-4} = \underline{\frac{1296}{16}}$

17) $\left(\frac{1}{6}\right)^{-4} = \underline{1296}$

8) $\left(\frac{1}{2}\right)^{-5} = \underline{32}$

18) $\left(-\frac{1}{2}\right)^{-5} = \underline{-32}$

9) $\left(-\frac{1}{3}\right)^4 = \underline{\frac{1}{81}}$

19) $\left(\frac{1}{2}\right)^{-4} = \underline{16}$

10) $\left(-\frac{2}{5}\right)^{-4} = \underline{\frac{625}{16}}$

20) $\left(-\frac{1}{10}\right)^{-2} = \underline{100}$